

POPULAR SCIENCE.

The skeleton of a woman is lighter in proportion to her total weight than that of a man.

The lowest crustaceans, some sea-animals and sea-spiders breathe through the skin alone.

The vapors of iodine, in the course of several months will penetrate deeply into the bones.

Looking through yellow glass in a fog is said to render objects more distinctly visible.

The weight of the cranium varies, in a general way, with the weight of the skeleton, but not proportionally, like the weight of the brain.

By the new mode of tanning, mineral salts take the place of tannic acid in preserving hides.

The polar regions of Mars, like those of the earth, appear to be covered with ice or snow.

Various kinds of foul water, which are sure to kill when injected under the skin of rabbits, become harmless as soon as they are shaken up with common salt.

The moon is gradually increasing the length of our day, by enlarging its own orbit, so that we may reasonably look forward to a day of 1,400 hours, instead of twenty-four.

Experiments on the effect of the electric light on plant life tend to show that it contains rays detrimental to them. Plants constantly exposed to it become spotted and weakened.

The increase in strength in iron bolts from working the metal cold, is estimated to be between five and a hundred per cent., and the effect in general is to give the iron a good deal of the qualities of hard steel.

It has been proven by observation that in districts subject to typhus fever cases appear when the ground is more thoroughly saturated with water, and more especially when the water is cold.

Owing to the rapid evaporation of moisture from the leaves, the temperature of trunks of trees breast high from the ground, is about 10° to 15° centigrade cooler than the air of the forest.

The time in a pound of tea is twenty-five or thirty times as long as it would be taken at once without notable disturbance of the nervous system. A pound of coffee contains twice or fifteen times as much caffeine as one ought to take at once.

Verifying the discovery that water containing infectious matter and organic poisons is purified by being run through beds of sand, it has been found, at Leipzig, ground under the bottom of badly built sewers is much cleaner than that over their tops.

It is stated that in the salt mines of Poland and Hungary the galleries are supported by the bones of the dead. It is found to last many years, in consequence of being impregnated with the salt, while pillars of brick and stone crumble away in a short time by the decay of the mortar.

It has been observed that if a suspended quartz ball is allowed to impinge on various ways upon a fixed ball of line spar, or if the ball of line spar be placed on a billiard-table and the distance observed to which it is deflected, the distance in the former case the quartz ball rebounds the furthest, and in the latter the line spar ball is driven further in the direction of the crystalline axis.

Values of Different Coins. The Director of the Mint has estimated the values of the standard coins in circulation in various parts of the world, and the Secretary of the Treasury has declared various official estimates. They are to be taken in estimating the values of all foreign merchandise made at in any of the currencies in question imported.

ESTIMATE OF VALUES OF FOREIGN COINS. (Value in U. S. Money.)

Coin	Value
Austrian, 100 Schillings	\$10.00
Belgian, 100 Francs	\$15.25
British, 100 Pounds	\$24.25
Canadian, 100 Dollars	\$100.00
French, 100 Francs	\$15.25
German, 100 Marks	\$3.75
Italian, 100 Liras	\$1.93
Japanese, 100 Yen	\$7.50
Portuguese, 100 Escudos	\$2.00
Russian, 100 Rubles	\$12.50
Spanish, 100 Pesetas	\$1.93
Swiss, 100 Francs	\$15.25
Turkish, 100 Liras	\$1.93
U. S. Gold, 100 Dollars	\$100.00
U. S. Silver, 100 Dollars	\$100.00

A Fiendish Accusation. A shocking story comes from Staffordshire, a statement made in that county, named Isaac Brooks, in January, 1880, concerned two farmers, S. C. Jones and H. Johnson, for assaulting and murdering a woman, and upon his evidence, backed by the fact of mutilation, they were found guilty, and sentenced by Mr. Justice Bowen to ten years' penal servitude.

Four hours, the court was convinced, and the sentence was not too heavy. It is now alleged, with some appearance of truth, that since the trial Brooks has wasted away. On Saturday he died, leaving a full and complete confession of the crime, and that the evidence against him was self-inflicted, with the object of extorting a large sum of money from the accused or their friends. The unbelief of this statement is increased by the fact that Brooks had borne good characters, and that his families have, in consequence of the conviction, been ruined.

So strong is the feeling in Rushton that it was hard to find men who, even for money, would carry Brooks to the grave. If the facts are as stated, it is a will, of course be pardoned, and we trust as fully compensated as is now possible. Brooks' crime, though uncommon, here, where villas dislike suffering, is so common in India that Judges, on any report of outrage, first of all arrest self-infliction.—London Spectator.

Married Folks Would be Happier. If home trials were never told to neighbors. If they kissed and made up after every quarrel. If household expenses were proportioned to receipts. If they tried to be agreeable as in courtship days. If each would try to be a support and comfort to each other. If each remembered the other was a human being, not an angel, and that his wife was his wife.

If men were so kind to their husbands as they are their lovers. If food and provisions were laid in during the high tide of summer. If both parties remembered that they were married for worse as well as for better.

If men were so thoughtful of their wives as they are of their sweethearts. If there were fewer silk and velvet street costumes and more plain, tidy, home dresses.

If there were fewer "please drarings" in public and more common manners in private.

If wives and husbands would take some pleasure as they go along, and not degenerate into some toiling machines. Recreation is necessary to keep the heart in its place, and to get along without it is a big mistake.—Sunday Courier.

Capturing Wild Horses.

A large mob of wild horses is described coming toward the riders over a distant hill. As they draw near and see the riders, they break and scatter in all directions.

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Why Newspapers Publish Social News.

The time will reach us some day when the society column will not be demanded in the morning paper, but the time is not yet arrived.

The average reader's palate relies as a sweet morsel on the accounts of the movements in society. The New York Journal has issued the following as the reason why newspapers contain reports of social affairs:

The publication of society news, or what is going on in fashionable society, has finally become a feature of metropolitan journalism. Yet nothing is more common among the people than to sneer at the impertinence of newspapers, the reporters of which invade the privacy of their homes.

There are even intimations that the time is to be rid of this inquisitive class is to help its members down stairs with the toe of the boot.

My one who is familiar with the management of the great newspapers in this city, knows that a conjugal struggle is the editors' chief business, and that they get all the news into the paper. There is little exaggeration in saying that a journal the size of the Times or the Freeman, is not a newspaper, but a collection of news items.

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How to Elect a President.

A number of our ablest statesmen have devoted much of their time to the problem of electing a President, and the result is a measure intended to simplify the election of Presidents and Vice Presidents.

The United States, but all of them have grown up with the subject, and it is so obvious that only some complicated machinery could reduce it to practice.

The public opinion of the country, or what is going on in fashionable society, has finally become a feature of metropolitan journalism. Yet nothing is more common among the people than to sneer at the impertinence of newspapers, the reporters of which invade the privacy of their homes.

There are even intimations that the time is to be rid of this inquisitive class is to help its members down stairs with the toe of the boot.

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